LCD-17VGA (art. 918135)
17” TFT LCD MONITOR

User’s Manual

Thanks for purchasing our product. Before operating the unit, please read the instructions carefully and keep this manual for future reference.

Safety directions

- Risk of electrical shock
- Do not open so as to reduce the risk of electrical shock
- Do not remove the back cover. There are no useful parts inside.
- The removal of the back cover makes the guarantee invalid.
- The LCD must only be repaired by qualified personnel.

Warnings and precautions

- Do not put your hands or face or any object near the LCD ventilation opening. The upper side of the LCD is very hot because of the exhaust air that comes out from the ventilation openings. You may be at risk for burns or lesions if you stay to close to the LCD. Do not place any object on the upper side of your LCD.
- Disconnect all cables before moving the LCD. If the LCD is moved while the cables are connected, they can be damaged and an electrical shock or fire may occur.
- Do not expose the unit to heat, water and/or humidity in order to avoid fire or electrical shock.
- Use the LCD in a properly ventilated area and do not cover the ventilation openings.
- Do not use a feeder different from the one supplied with the product.
- Disconnect the LCD power cable when it is not used for long periods of time.
- If the LCD does not display the image properly, disconnect the power cable. Check the Video IN connections and reconnect the power cable.
- Disconnect the LCD power cable when you want to clean the LCD. Do not use products that contain alcohol: use only a slightly damp cloth.
- Make sure the LCD is positioned firmly (not on a trolley) in order to avoid the unit from being damaged.

Safety measurements

SAFETY WARNINGS

The product must be installed only by qualified persons, according to the local safety standards and regulations.
It is classified as Class II, in accordance with EN 60950-1.

Installation warnings

- Use only the original power cable, installing the product so that the mains plug is easily accessible.
- The product must not be exposed to dripping or splashing and thus it shall be installed indoors, in a dry place.
- Leave enough space around the product housing to ensure sufficient ventilation. An excessive operating temperature and/or an excessive heating may affect the performance and the life of the product.
- Don't install the product above or close to heat sources, in dusty places or where it might come into contact with corrosive substances.
- Humidity and condensation could damage the product. In case of condensation, wait until the product is dry before using it.

Important: Only instructed and authorized persons can open the product. In case of failure, do not try to repair the product; otherwise the guarantee will no longer be valid.

USER'S INFORMATION

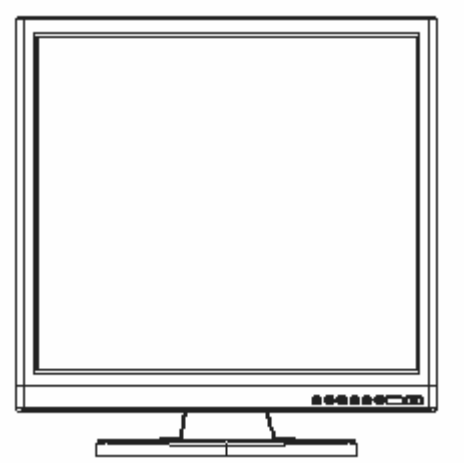
Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection system

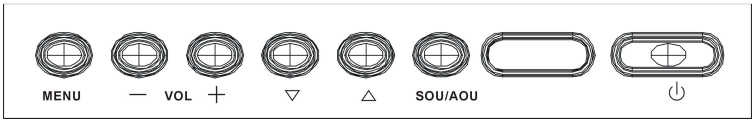
This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, wich could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Monitor views

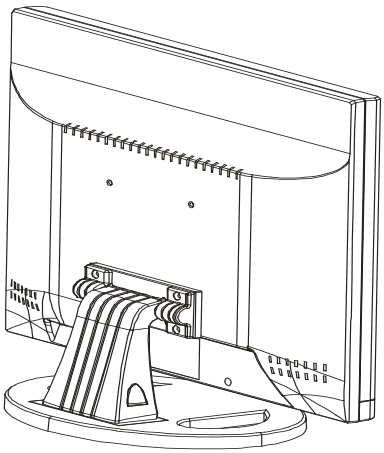
You can use your video with the front panel keys.

Front panel

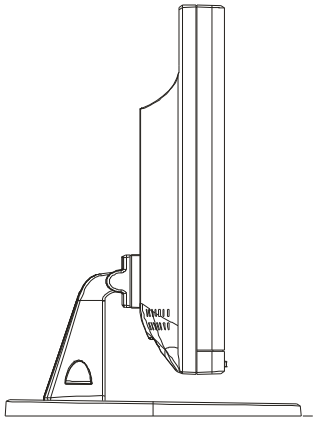




Back side



Side



Characteristics

★ Luminous image

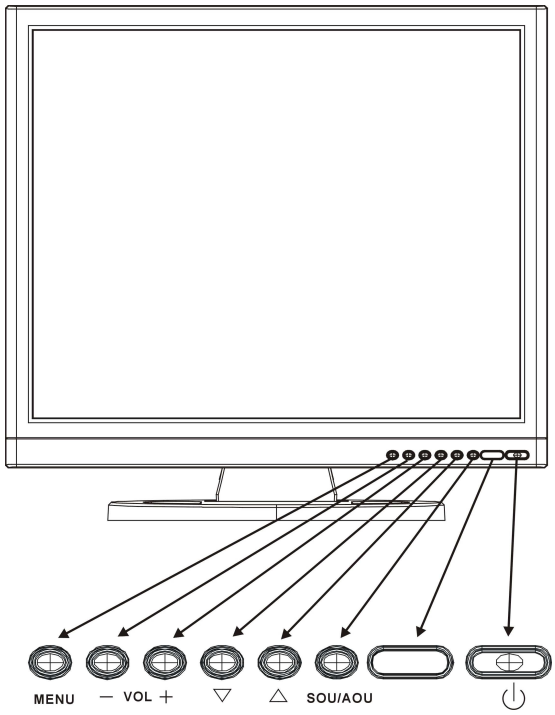
★ Exact processing of color

★ Built-in amplifier and loudspeakers

Components

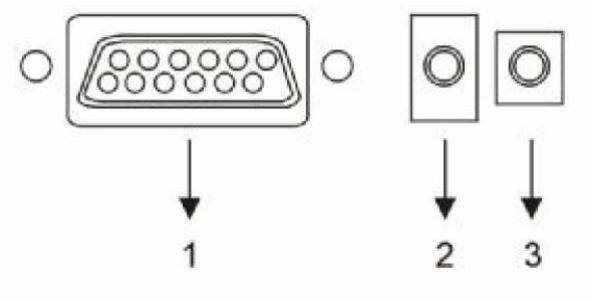
1 LCD COLOR MONITOR
1 ACCESSORIES: FEEDER AND USER'S MANUAL

Key instructions



△	Up: Up arrow key on the OSD
▽	Down: Down arrow key on the OSD
MENU	Menu: enables the OSD menu
+	Right : Increases the values on the menu and raises the volume
−	Left : Decreases the values on the menu and lowers the volume
SOU/AOU	Sources: Changes the video input sources
⏻	Power: switches the monitor ON

I/O Connectors:



1. VGA INPUT
2. PC Audio input
3. DC / 12V input

OSD (On Screen Display)

OSD (On Screen Display) menu enables user to manipulate the image and settings OSD main menu consists of source

OSD Menu Contrast, Brightness, Gamma Correct, Color Adjust, , Exit of Color, H. Position, V. Position, Sharpness, Phase, Clock, Exit of Picture, Language, OSD H. Position, OSD V. Position, OSD Time, Exit of OSD, Reset, Volume, Exit of Miscellaneous, Exit.

LCD OSD Setting

Auto Color : Auto Color adjustment (Only for RD engineer mode)

Contrast : Adjust light and dark level of the TFT display. Setting value from 0 ~ 100. Default value is 50.

Brightness : Adjust shade and brightness level of TFT display. Setting value from 0~ 100.Default value is 50.

Color Temp : This function will adjust color temperature; more details please refer to below menu.

Exit : Back to main menu.

Color temperature

9300K : Select cold color temperature (White and Blue color bias).

6500K : Select normal temperature (Comprehensive color).

5800K : Select warm color temperature (Yellow bias).

SRGB : Special application for computer source (R=G=B=128) that setting would be display
true color faithfully.

USER : This function will provide user to adjust Red, Green and Blue gain level.

Exit : Back to main menu.

Image:

Auto Adjust：This function will adjust the optimal parameters automatically.

H. Position：This function will provide user to adjust the horizontal position of display screen.
Setting value from 0 ~ 200. Default value is 100.

V. Position：This function will provide user to adjust the vertical position of display screen.
Setting value from 0 ~ 18. Default value is 9.

Clock：This function will provide user to adjust the clock of display screen.
Setting value from 0 ~ 100. Default value is 50.

Phase：This function will provide user to adjust the Phase of display screen.
Setting value from 0 ~ 63. Default value is 15.

Sharpness：This function will provide user to adjust the sharpness of display screen.
Setting value from 0 ~ 4. Default value is 2.

Exit：Back to main menu.

OSD:

OSD H. Pos.：This function will provide user to adjust the horizontal position of OSD area. Setting value from 0 ~ 100. Default value is 50.

OSD V. Pos.：This function will provide user to adjust the vertical position of OSD area. Setting value from 0 ~ 100. Default value is 50.

OSD Timer：This function will provide user to setup OSD appearance time. (Unit is second) Setting value from 0 ~ 27. Default value is 7.

Reset：Recover to default setup.

Language：This function will provide user to select 7 types of OSD languages, including English,Japanese, Simplified Chinese, Tradition Chinese, Italic, German and French.

Exit：Back to main menu.

PC (VGA) OSD Menu

D-SUB：Remind user the VGA connector is D-SUB 15pin type.

Applicable Timing

VGA Synchronization
The VGA synchronization can be of 14 modes that are saved in the memory

Resolution	Refresh Rate	Horizontal Frequency	Pixel Frequency	Standard Type
640 x 480 VGA	60 Hz	31.50 KHz	25.175 MHz	Industrial Standard
	72 Hz	37.90 KHz	31.500 MHz	VESA Standard
	75 Hz	37.50 KHz	31.500 MHz	VESA Standard
800 x 600 SVGA	60 Hz	37.90 KHz	40.000 MHz	VESA Guideline
	72 Hz	48.10 KHz	50.000 MHz	VESA Standard
	75 Hz	46.90 KHz	49.500 MHz	VESA Standard
1024 x 768 XGA	60 Hz	48.40 KHz	65.000 MHz	VESA Guideline
	70 Hz	56.50 KHz	75.000 MHz	VESA Standard
	75 Hz	60.00 KHz	78.750 MHz	VESA Standard
1280 x 1024 SXGA (17''& 19''only)	60 Hz	64.00 KHz	108.000 MHz	VESA Standard
	75 Hz	80.00 KHz	135.000 MHz	VESA Standard

Analog RGB Input port
- Support for Sync-on-Green (SOG)

Auto Detection/Auto calibration
- Input format detection
- Compatibility with standard VESA mode and support user-defined mode
- Smart engine for Phase/Image position/Color calibration

Scaling

- Fully programmable zoom ratios
- Independent Horizontal/Vertical scaling
- Sharpness/Smooth filter enhancement

Other Option：Audio (1W) x 2

Control key: Menu_KEY, Up_KEY, Down_KEY, Left_KEY, Right_KEY, Auto_KEY and Power_KEY.

Feeder

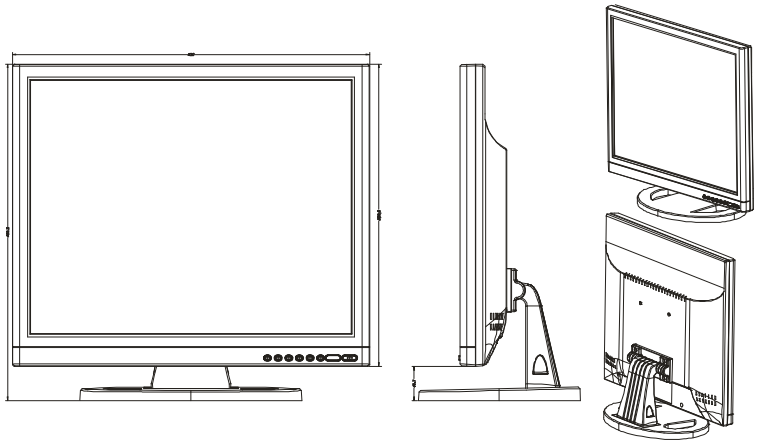
Input voltage	100~240VAC, 50/60Hz
Output voltage	+12V DC, 3.33A (40W) / 4.16A (50W)
Power	On: 50W max. (green LED) Off: 1W max. (red LED)

Environmental conditions

Operational conditions		5◦C to 35◦C
	Relevant humidity	20% to 85%
Storage conditions	Temperature	-20◦C to 60◦C
	Relevant humidity	5% to 85%

Monitor views

17” LCD



Specification:

Model	17”
Display Resolution (Panel)	1280 x 1024@75Hz
Active Area (mm)	337.920 (H) x 270.336 (V)mm
Pixel Pitch	0.264mm
LCD Profile Ratio	5:4
Display Color	16.7M colors
Brightness (Central)	300 cd/㎡
Contrast Ratio	800 : 1
Viewing Angle	Left 80°/Right 80°/Up 80°/Down 80°
Response Time	5ms
Input Voltage	96-256Vac, 60Hz/50Hz
VGA Input	15pin D-SUB connector x 1
Audio Input	3.5mm stereo jack
Speaker	1W + 1W
Power Consumption	35W
Operation Temperature	-10 to 50℃ (14 to 122℉)
Storage Temperature	-20 to 60℃ (-4 to 140℉)

PC RGB Inputs

Input signal	Analog RGB 0.7Vp-p
Input impedance	75 Ohm ± 2%
Polarity	Positive, Negative
Amplitude	0 ~0.7 ± 0.05Vp
Multi-mode support	Horizontal frequency: 30~80KHz Vertical frequency: 50~75Hz

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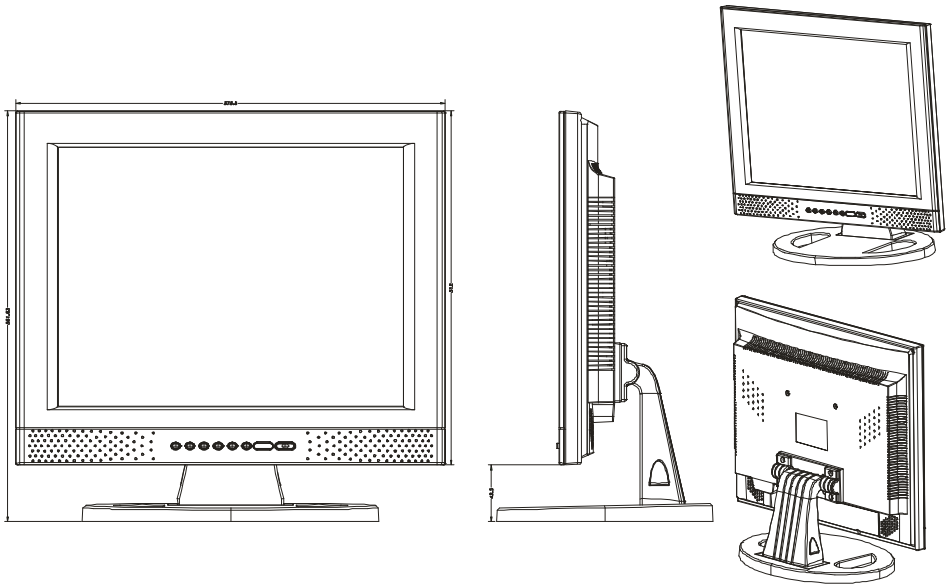

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